



**Airworthiness  
Directive  
D-2004-299R2**

**Luftfahrt-Bundesamt**  
Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
Federal Republic of Germany

**Grob**

**Effective Date: 15 March 2005**

**Affected:**

Kind of aeronautical product: Airplane  
Manufacturer: GROB, Tussenhausen-Mattsies, Germany  
Type: Grob G 120  
Models affected: G120A and G120A-I  
Serial numbers affected: all  
German Type Certificate No.: 1121

**Subject:**

Landing Gear, Extension and Retraction

**Reason:**

This Airworthiness Directive and the instructions given in the Manufacturer Service Bulletin describes the mandatory exchange of the Up-Lock Hook assemblies of the main landing gear of the G120A and G120A-I.

The installation of the new up-lock hook assemblies revealed, that in isolated cases the pressure limit give in Mandatory Service Bulletin (MSB) MSB1121-052 may be exceeded due to production tolerances of the up-lock attachment orientation.

Therefore the pressure limit was increased, still leaving a sufficient margin to the operating pressure of the hydraulic system.

Implementation of MSB1121-052/2 will terminate the Airworthiness Directive D-2004-299R1 dated 09 November 2004 that was published in conjunction with MSB1121-051 unless MSB1121-052 was already accomplished.

**Action:**

Exchange the Landing Gear / Up-Lock-Hook in accordance with the instructions given in the Service Bulletin.

**Compliance:**

The actions can be performed during the next 100 hours-inspection but must be performed not later than 31 March 2005.

**Technical publication of the manufacturer:**

Grob Service Bulletin No. MSB1121-052/2 dated 14 February 2005 which becomes herewith part of this AD can be obtained from Messrs.:

GROB Luft- und Raumfahrt  
Lettenbachstrasse 9  
D-86874 Tussenhausen-Mattsies / Germany

Phone: ++ 49 8268 / 998139      Fax: ++ 49 8268 / 998200  
e-mail: productsupport@grob-aerospace.de

**Holders of affected aircraft registered in Germany have to observe the following:**

Action has to be accomplished by the owner of the aircraft or an approved service station and to be checked and entered in the log book by a licensed inspector.

Enquiries regarding this Airworthiness Directive should be referred to Mr. Olaf Schneider, Airworthiness Directive Section at the above address, fax-no. 0049 531/2355-720. Please note, that in case of any difficulty, reference should be made to the German issue!

As a result of the a.m. deficiencies, the airworthiness of the aircraft is affected to such an extent that after the expiry of the a.m. dates the aircraft may be operated only after proper accomplishment of the prescribed actions. In the interest of aviation safety outweighing the interest of the receiver in a postponement of the prescribed actions, the immediate compliance with this AD is to be directed.

An appeal to this notice may be raised within a period of one month following notification. Appeals are to be raised with the Luftfahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig, in writing or for the purpose of drawing up minutes.

**Note:**

This AD supersedes the AD-No. D-2004-299R1 dated 09 November 2004.

**EASA-Approval**

Approved by EASA under Approval-No. 2005-2216 on 15 March 2005.